artdaq

	2021-3				2021-4				2021-5				2021-6				2021-7				2021-8		
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
artdaq	artdaq
Add fragment ID checking to some combination (...)	Resolved
Incorporate control of the Linux system fsync (...)	New
The Aggregator runs slower when event grouping (...)	New
Implement the "report" functionality infrastructure	New
Provide a way to determine the allowed transitions (...)	New
Remote monitoring and control recommendations	New
Investigate the possibility of using DDS (...)	Assigned
Investigate the possibility of running compression, (...)	New
Investigate whether FragmentGenerator state (...)	New
Think about ways to read data from front-ends (...)	New
Develop test procedures and documents for (...)	New
Document development procedures for SQA	New
Add documentation for basic operation and (...)	New
Add functionality and tools to artdaq for (...)	New
Audit all messages produced by artdaq during (...)	New 67%
create message logging best practices	New
Remove rt_priority from BinaryMPIOutput_module?	New
Create an artdaq-skeleton (and probably artdaq-core-skeleton) (...)	New
Investigation: max disk-writing rate with (...)	Assigned
Setting alignment and padding defaults of (...)	New
To prevent 100% CPU usage by fragment generators, (...)	New
Implement fadvise dont need for ROOT data (...)	New
request packaging of EPICS BASE, EPICS CSS, (...)	New
TransferInput should check for dispatcher (...)	New
Sync message in TCPSocketTransfer	New
Routing Master takes a long time (forever?) (...)	Remission
Issue du jour #1 at protoDUNE, 17-Jul-2018: (...)	Resolved

Issue du jour #2 at protoDUNE, 17-Jul-2018: (...)	**Resolved**
Issue du jour #3 at protoDUNE, 17-Jul-2018: (...)	**Resolved**
Issue du jour #4 at protoDUNE, 17-Jul-2018: (...)	**Remission**
EB crash at protoDUNE	**Resolved**
BoardReader intermittent crash at endrun	**New**
Improve the speed of the configuration step	**New**
SBND Vertical Slice test	**New**
run tests and improve the system so we can (...)	**New**
write data files directly from event builders	**Resolved**
enable trigger inhibiting at protoDUNE	**Resolved**
At protoDUNE, either turn off core dumps (...)	**Work in progress**
Should we start bundling rgang with artdaq (...)	**New**
Failed to connect to shared memory segment (...)	**New**
Dispatcher connection issues can prevent (...)	**New**
OnlineMonitoring reports timeouts while reading (...)	**Work in progress**
Help investigate FELIX BoardReader metric (...)	**New**
Add external controlling functionality to (...)	**Assigned**
EventRate and EventSize metrics don't update (...)	**New**
Notes from protoDUNE Slack channel, 19-Jul-2018	**New**
zero length core file on terminate	**New**
SBND VST - subrun change from fragment generator (...)	**New**
NetMonOutput (?) should consider an empty (...)	**New**
run_demo.sh gets inconsistent results for (...)	**New**
run_demo (and presumably just_do_it) should (...)	**New**
Something set all of my requested trace levels (...)	**New**
Create one or more simple_test_configs that (...)	**Work in progress**
Create a simple hex-dump tool (art module) (...)	**New**
Redesign the use of sequence IDs so that (...)	**New**
Oversee and/or contribute to the transfer (...)	**Work in progress**
Provide support for protoDUNE DAQ	**New**
Error messages say that "use_data_thread" (...)	**New**
EventBuilders stop dataflow when there is (...)	**New**
System behaving unexpectedly when there are (...)	**Resolved**
Investigate where the art process is spending (...)	**New**

Help implement 4-digit zero padding of the (...)	**Resolved**
Improve the organization of the Run Configurations (...)	**Work in progress**
Revisit the model for supporting developer (...)	**Work in progress**
Can we provide assistance in defining or (...)	**New**
Create UPS produce for jsoncpp	**Resolved**
Daily call with Giovanna and Karol	**Work in progress**
Assist in the rollout of the metadata art (...)	**Assigned**
{art-related} When writing data from EventBuilders (...)	**New**
When I accidentally try to import a configuration (...)	**New**
Evaluate the shared memory interplay between (...)	**New**
Look for redesign opportunities to remove (...)	**New**
Look into redesign possibilities to avoid (...)	**New**
Think about whether EBs sending requests (...)	**New**
Re-examine the handling of subrun rollover (...)	**New**
Clean up the specification of max fragment (...)	**Resolved**
ZMQ connection_out parameter for timing/Felix (...)	**Resolved**
Think about ways to support different configuration (...)	**New**
Collaborate with UK folks on an in-memory (...)	**New**
Discuss/confirm the order of transition commands (...)	**New**
Summary of EventBuilder crashes at protoDUNE (...)	**New**
Check with our art collegues on the progress (...)	**Work in progress**
Develop a plan for incorporating Inhibit (...)	**New**
Disable warning messages in the mongoc driver	**Resolved**
High CPU usage in Boardreaders during the (...)	**Remission**
Exception when trying to stop the program: (...)	**New**
Add the "--print-description" option to DAQ (...)	**New**
Add support for "#includes" before PROLOGs (...)	**New**
Create and test a candidate release targeted (...)	**Resolved**
Create a script or tool to set up the latest (...)	**New**
fragment overruns	**New**
EB crash at protoDUNE in run 3032	**New**
Dispatcher shared memory segments left after (...)	**New**
transfer_driver_shmem_multi_t doesn't test (...)	**New**
EB terminate crash	**Resolved**

transfer_driver tests fail in pdune_ron_Aug01	**Resolved**
Status monitoring display	**Work in progress**
Bookkeep max_event_size_bytes to reflect (...)	**Assigned**
Have DAQInterface set the max fragment size (...)	**Resolved**
Assist in the setup of the DUNE cold electronics (...)	**Work in progress**
Assist in the setup of an artdaq-database (...)	**Resolved**
There are reports of DAQInterface taking (...)	**Resolved**
Generic implementation of interrupt/timeout (...)	**New**
Archiving time on the protoDUNE cluster should (...)	**New**
Improve the error reporting from conftool.py	**New**
rgang trace tools	**New**
daqinterface, when recovery is disabled, (...)	**New**
EventBuilder crash pdune_Aug20A	**New**
Remove BR Sync Metric	**Resolved**
More information from RoutingMasterCore	**Resolved**
Add Event Building Time metric	**Resolved**
TRACE metric output	**Resolved**
RoutingMaster learns data rate and adjusts (...)	**New**
Fix obviously-wrong values reported by "Request (...)	**Resolved**
run_demo.sh	**New**
run_demo.sh defaults to partition 0 in quick-mrb-start.sh	**New**
Annotate artdaq database with doxygen tags.	**New**
Freeze TRACE buffer when SharedMemoryManager (...)	**Resolved**
More useful Routing Wait Time metric in DataSenderManager	**Resolved**
Fix manual_mode for mu2e art process perfing	**Resolved**
Rename "Incomplete" events in SMEM	**Resolved**
metric_pset initialization in Cores	**Resolved**
On protoDUNE cluster, BuildInfo saves build (...)	**Resolved**
Process for managing Online Monitors	**New**
A simple-test-config that has configure-only (...)	**New**
Create a Null_generator CommandableFragmentGenerator	**New**
Limit DataLoggers to one art process	**New**
Make Shared Memory Transfer timeouts configurable	**Resolved**
RoutingMaster should always send up-to-date (...)	**New**

A script should be made available where it's (...)	New
make SharedMemoryManager more maintainable (...)	New
Notes on where data logging (art) processes (...)	Assigned
Notes from testing the killing of an EB process (...)	Assigned
Provide rank and app_name variables to metric (...)	Resolved
Dynamic display of event contents in WFViewer	Resolved
Continue to investigate protoDUNE DAQ issues (...)	Assigned
More/Better output from TransferDriver when (...)	Resolved
BoardReader memory usage increases with using (...)	Resolved
Get handle to Fragment Generator for otsdaq	Resolved
daqinterface starting multiple msgviewer (...)	Resolved
run_demo.sh partitioning issue again	New
DAQInterface "direct" mode leaves stale processes	New
revisit 17393 - changes made to artdaq/ArtModules/RootDAQOutput/RootDAQOut_module.cc	Reviewed
Allow experiments to put certain Fragments (...)	New
Add tests for RoutingMasterCore	Resolved
Make requests that have InvalidTimestamp (...)	Resolved
Support the (proto)DUNE DFO Model in artdaq	New
Add destination parameter to DSM::sendFragment	Assigned
Add acknowledgements to Request protocol	Resolved
Change signature of CommandableFragmentGenerator::getNext	Assigned
RoutingNetOutput plugin: A version of (...)	New
Update RequestReciever's interface	Resolved
Merge and test individual changes from develop (...)	Assigned
Add additional unit tests for RequestMessage.hh	Resolved
Filesystem transfer plugin	New
Process a run_records directory and generate (...)	New
DAQInterface makes inappropriate assumptions (...)	Reviewed
configure separate stdout/err (console) log (...)	New
Welcome message and output compilation date (...)	Resolved
Observations from attempting to install and (...)	New
The number of EB buffers seems to affect (...)	New
Develop infrastructure for sending ZeroMQ (...)	New
Add reporting of fragment IDs for missing (...)	Assigned

Test upgrade of old RawFragmentHeader versions	Resolved	
Support for MPI transfers in artdaq v3	New	
In-place allocation of ContainerFragment (...)	Resolved	
artdaq boot sequence takes significant time (...)	New	
Allow users more control of MetricPlugin (...)	New	
Dynamic reconfiguration of EventBuilder sources	New	
Create plugin type for CommandableFragmentGenerator	New	
Handle full disk in output modules	New	
Improve back-pressure reporting	New	
Occasional issue running ascii_simulator_example (...)	New	
Online Monitor art processes disconnect after (...)	New	
Look into possible performance improvements (...)	New	
Use ExceptionHandler in xmlrpc_commander	New	
documentation bug - QuickVec alignment should (...)	Reviewed	
Use new[] with align parameter in QuickVec (...)	New	
SharedMemory Output for art process	Resolved	
Routing Improvements	Resolved	
Raise Visibility of tcp_receive_buffer_size (...)	New	
bug/feature - canvas mf::LogDebug message (...)	New	
Include links to detailed information in (...)	New	
Performance concerns in FragmentBuffer	New	
Investigate moving away from smc_compiler	New	
Improved TRACE logging in FragmentBuffer	Resolved	
Race condition in SharedMemoryEventManager (...)	Reviewed	
artdaq - artdaq Next Release	artdaq Next Release 50%	
Dispatcher fails to receive any events (...)	Assigned	
UPS dependency conflicts	Resolved	
artdaq Demo	artdaq Demo	
~/.setup_fhiclcpp potential/actual problem	Resolved	
No-pull mode for quick-mrb-start.sh	Resolved	
Option to run_integration_tests.sh to (...)	Resolved	
artdaq Utilities	artdaq Utilities	
Provide graphical monitoring that shows (...)	New	
Implement the transition scripts called (...)	Resolved	

Create JCOP Metric Plugin	**Work in progress**
Improve error handling in DAQInterface	**Resolved**
daqinterface fails to boot the system (...)	**Resolved**
It might be helpful for daqinterface (...)	**Resolved**
Include scripts to help determine correct (...)	**New**
Improved handling of messageviewer by (...)	**New**
Provide an option to DAQInterface in (...)	**Resolved**
Get DAQInterface to automatically launch (...)	**Resolved**
Have the DAQInterface configuration (...)	**Resolved**
Allow users to specify startup order (...)	**Resolved**
Make it easier to launch online monitoring (...)	**New**
Modify DAQInterface so it can work as (...)	**Resolved**
Place a limit on the number of MessageFacility (...)	**Resolved**
Support for running multiple DAQInterfaces (...)	**Resolved**
DAQInterface settings file should allow (...)	**Resolved**
Minor issue in performing bookkeeping (...)	**Resolved**
FHiCL assignments that have names like (...)	**Resolved**
Multiple fileName parameter definitions (...)	**Resolved**
Specify multicast network in boot.txt...	**Resolved**
DAQInterface appears to leak file descriptors	**Resolved**
DAQInterface should save the per-run (...)	**Resolved**
DAQInterface should be able to place (...)	**Resolved**
On run start and stop, DAQInterface (...)	**Resolved**
On protoDUNE, DAQInterface should take (...)	**Resolved**
DAQInterface's requirement that a boardreader (...)	**Resolved**
DAQInterface creates malformed FHiCL (...)	**Resolved**
Use report_metric in demo simple_test_config	**Resolved**
Message Viewer not showing up in demo (...)	**Resolved**
boot.txt files in simple_test_configs (...)	**New**
DAQInterface should support multiple (...)	**Resolved**
DAQInterface should decouple the routingmaster (...)	**Resolved**
DAQInterface should be able to launch (...)	**Resolved**
PMT Host != localhost fails to boot	**New**
A set of subconfigurations which realistically (...)	**Resolved**

DAQInterface should support the concept (...)	**Resolved**
DAQInterface should have per-partition (...)	**Resolved**
DAQInterface product unsetup attempt (...)	**Resolved**
max_fragment_size_bytes in the settings (...)	**Resolved**
Build script for packages	**Resolved**
DAQInterface's memory management should (...)	**Resolved**
Support hexadecimal values in settings_example	**Resolved**
DAQInterface advanced memory usage seems (...)	**New**
It should be possible to tell DAQInterface (...)	**Resolved**
It should be possible to recover details (...)	**Resolved**
DAQInterface should treat process Error (...)	**Resolved**
If just_do_it.sh can't perform a transition, (...)	**Resolved**
Add a subconfiguration which contains (...)	**Resolved**
eventbuilder_diskwriting and combined_eb_and_el (...)	**Reviewed**
If a process dies or enters an error (...)	**Reviewed**
DAQInterface should algorithmically (...)	**Reviewed**
DAQInterface should allow for messagefacility (...)	**Reviewed**
Please add artdaq_daqinterface support (...)	**Reviewed**
Can the ProtoDUNE variant of DAQInterface (...)	**Reviewed**
DAQInterface should handle SIGHUP, SIGTERM, (...)	**Reviewed**
DAQInterface v3_04_00 has problems saving (...)	**Reviewed**
DAQInterface should have a "help" option	**Reviewed**
The use of a RoutingMaster in an artdaq (...)	**Reviewed**
have daqinterface support the specification (...)	**Reviewed**
When a partition has never been run (...)	**Reviewed**
Revise misleading documentation in MetricPlugin.hh	**Resolved**
DAQInterface should allow for a child (...)	**Reviewed**
Bookkeeping changes for allowing multiple (...)	**New**
file metrics data dir -- default for (...)	**Resolved**
DAQInterface makes inappropriate assumptions (...)	**Reviewed**
DAQInterface should handle situations (...)	**Reviewed**
DAQInterface should provide a hook to (...)	**Reviewed**
DAQInterface bookkeeping should only (...)	**Reviewed**
add metric_name to metric ctor to aid (...)	**Resolved**

daqinterface scripts should be able (...)	Reviewed
DAQInterface kills processes across (...)	Reviewed
DAQInterface could launch processes (...)	New
DAQInterface should support multiple (...)	Reviewed
DAQInterface should take advantage of (...)	Reviewed
DAQInterface could provide on-demand (...)	Reviewed
just_repeat_run.sh doesn't care what (...)	Reviewed
exception thrown when attempting to (...)	Reviewed
boot.fcl not correctly formed when user (...)	Reviewed
When creating boot.fcl, DAQInterface (...)	Reviewed
A convenience script could be provided (...)	Reviewed
DAQInterface should accept boot files (...)	Reviewed
DAQInterface should double-check its (...)	Reviewed
DAQInterface error handling fails for (...)	Reviewed
In the event of ssh problems, DAQInterface (...)	Reviewed
If there's an XML-RPC communication (...)	Reviewed
Possible issue with private-network (...)	Reviewed
Node.js server CRL issue	Resolved
Upgrade to Python 3	New
Last archived run number	Work in progress
DAQInterface sometimes does not wait (...)	Reviewed
Support for non-scalar metric reporting	New
DAQInterface should be able to resurrect (...)	Resolved
Archive run_record_attempted	New
artdaq daq interface run sort based (...)	New
Can daqinterface log the ssh commands (...)	Resolved
Have DAQInterface save the launch_attempt (...)	Resolved
When a critical artdaq process dies (...)	Reviewed
Support "prepend" in boot.txt	Resolved
Upgrade mongoc and mongocxx drivers	New
DAQInterface should allow overriding (...)	Reviewed
Upgrade to Python 3	New
Update compressionLevel in simple_test_config	New
artdaq Utilities - artdaq_daqinterface (...)	artdaq Utilities -artdaq_daqinterface v3_03_01 85%

Add support for the RootDAQOut (...)	**Resolved**
Remove deprecated simple_test_configs	**Resolved**
DAQInterface should support fragment (...)	**Resolved**
In protoDUNE metadata, DAQInterface (...)	**Resolved**
In DAQInterface, deepsuppression (...)	**Resolved**
It should be possible to repeat (...)	**Resolved**